



Sanjay Ghodawat University, Kolhapur

2017-18

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

FY M Tech

School of Technology

Semester II

EES 510.1

Internet of Things (IoT) – (Elective-II)

Max Marks: 100

MAY 2018

End Semester Examination (ESE)

Time: 3 Hrs

30th May 2018

Instructions for Students: 1) Use of non-programmable calculator is allowed
10:30 AM to 1:30 PM 2) All questions are compulsory

Q1	Solve any Two	Marks	COs
a)	List and Describe IoT Enabling Technologies.	08	CO1
b)	Draw and Explain generic block diagram of an IoT Device.	08	CO1
c)	Explain in brief IoT protocols used in different layers.	08	CO1
Q2	Solve any Two		
a)	Enumerate application areas of IoT.	06	CO2
b)	Elaborate significance of IoT in Environment/Weather Monitoring.	10	CO2
	OR		
b)	Describe IoT applications in Smart Irrigation and Green House.	10	CO2
Q3	Solve any Two		
a)	List and explain components of IoT system Levels.	09	CO3
b)	Illustrate any one IoT Level with neat schematic and an example.	09	CO3
c)	Explain the FP7 iCore access framework.	09	CO3
Q4	Solve any Two		
a)	Illustrate M2M service level standardization using Neat schematic.	08	CO4
b)	Explain Research, Development and Innovation life cycle.	08	CO4
c)	Describe security and privacy elements with respect to common architecture for IoT.	08	CO4
Q5	Solve any Two		
a)	Describe Vulnerabilities of IoT system.	09	CO5
b)	Illustrate challenges for a secure IoT.	09	CO5
c)	Explain in detail various Identity Management models.	09	CO5
Q6	Solve any Two		
a)	Describe Trust Management Life Cycle.	08	CO6
b)	Illustrate Web of Trust model with a neat schematic.	08	CO6
c)	Write short notes on following: i) SAML Approach ii) Fuzzy Approach for Trust.	08	CO6
